Section 19 - Vol. II of V

Effects of Feeding Dimilin (TH-6040) Upon Reproduction and Residues In Sheep and Swine

Progress Report, February 1977

Test Compound: Dimilin (TH-6040)

Test Specie: Columbia-Rambouilet ewes + rams, Dorsets and Hampshire

Number of Sheep: 51 ewes, 6 rams

Number of Swine: 37 gilts, 4 boars

Route of Administration: Dietary

Doses: 100 ppm

Testing Labortors: Department of Animal Science
University of Maryland
College Park, Maryland 20742

Sponsor: Thompson - Hayward Chemical Co.

Methodology: Sheep Project

Fifty - one Columbia - Rambouilet ewes and six ram (two Dorsets and four Hampshire) were weighed, treated for parasites, given vitamins and ear tagged before starting experiment. The ewes were divided into four groups, two control and two treated groups. Each control group had 8 ewes and there were 12 ewes in the treated groups. The rest of the animals were used as replacements, five were "control replacements" and six were treated replacements.

Diets was corn, cobmeal, ground alfalfa hay and 1.4% propionic acid (as preservative). Treated food has "approximately" 100 ppm of TH6040. Rams were rotated with ewes, matting treated rams with treated ewes and control rams with control ewes. Blood samples were taken for analysis. Liver, muscle, fat, spleen and kidney were taken from some experimental sheep. Fetuses and uteri of pregnant ewes were frozen and other simples were placed in dry ice for analysis at Thompson - Hayward. Three control and six treated sheep were lost due to poor physical condition. It would appear, to date, that none of these deaths were caused by "intoxication as evidenced by post mortems.

Results: From the information available to date, there would not appear to be appreciable differences between control ewes and treated ewes or in the progeny of treated or control ewes.

Comments: Tissues were taken for sampling but no data is made available. Blood samples were taken for chemical analysis but no data is available.

Validation: Core - Guidelines - tentative to the termination of experiment.